

Magnetism

2-5 The student will demonstrate an understanding of force and motion by applying the properties of magnetism. (Physical Science)

2-5.4 Identify everyday uses of magnets.

Taxonomy level: 1.1-A Remember Factual Knowledge

Previous/Future knowledge: This is the first time that students have investigated everyday uses of magnets, but the concept will be further developed in 4th grade (4-5.9) with the introduction of electromagnets.

It is essential for students to know that magnets are used in our everyday lives. They are found in their homes, schools and at places where people work. Some examples of everyday uses of magnets are:

- Magnets on cranes lift heavy objects like cars in a junk yard
- Some screwdrivers have a magnetic end to hold the screw in place
- Magnets on the refrigerator hold student art work so everyone can see it
- A compass points out the direction we are traveling and the compass needle is magnetic
- The cabinet doors in our kitchen may be held shut by a magnet
- Farmers use a magnet to put in a cow's stomach to attract any metal a cow may eat. This keeps the cow from getting hurt by the metal.

It is not essential for students to be introduced to every type of magnet.

Assessment Guidelines:

The objective of this indicator is to *identify* uses of magnets in everyday life; therefore, the primary focus of assessment should be to locate magnets in our everyday life. However, appropriate assessments should also require students to *recall* ways magnets are used in everyday life; or *recognize* ways magnets are used in everyday life.